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Convert Customary Units Of Length Study Ebook

METRIC and U.S. MEASUREMENT EQUIVALENCIES

METRIC SYSTEM OF MEASUREMENT:

Basic unit of LENGTH.....METER (m).....100cm = 1000 mm = .001 km
 Basic unit of MASS (weight).....GRAM (g)......001 kg = 1000 mg
 Basic unit of CAPACITY (liquid measurement).....LITER (L).....1000 ml = .001 kl

Important Metric System Prefixes:

kilo	=	1,000	deci	=	0.1	tera	=	1,000,000,000,000
hecto	=	100	centi	=	0.01	giga	=	1,000,000,000
deca	=	10	milli	=	0.001	mega	=	1,000,000

LENGTH		WEIGHT		CAPACITY	
1 meter (m)	= 100 centimeters (cm)	1 gram (g)	= 1000 milligrams (mg)	1 L	= 1000 mL
1 cm	= 0.01 m	1 kilogram (kg)	= 1000 grams	1 mL	= 0.001 L
1 m	= 1000 millimeters (mm)	1 mg	= 0.001 g	1 k	= 1000 L
1 mm	= 0.001 m	1 g	= 0.001 kg		
1 cm	= 10 mm				
1 mm	= 0.1 cm				
1 kilometer	= 1000 m				
1 m	= 0.001 km				
1 megameter	= 1,000,000 m				
1 hectometer	= 100 m				
1 dekameter	= 10 m				
1 decimeter	= 1/10 m				
1 cm	= 1/100 m				
1 mm	= 1/1000 m				
1 micrometer	= 1/1,000,000 m				



U.S. CUSTOMARY SYSTEM OF MEASUREMENT:

LENGTH		WEIGHT		CAPACITY		AREA	
1 foot	= 12 inches	1 lb	= 16 oz	1 cup	= 8 fl oz	1 ft ²	= 144 in ²
1 yard	= 3 feet	1 ton	= 2,000 lbs	1 pint	= 2 cups	1 yard ²	= 9 ft ²
1 yard	= 36 inches			1 quart	= 4 c/2 pts	1 acre	= 43,560 ft ²
1 mile	= 5,280 feet			1 gal	= 4 quarts	1 mile ²	= 640 acres

APOTHECARIES' WEIGHTS and MEASURES:

1 dram	= 60 grains (gr)	1 fluid dram	= 60 minims
1 ounce	= 8 drams	1 ounce	= 8 fluid drams
1 pound (lb)	= 12 ounces	1 pint (pt)	= 16 oz
1 ounce	= 480 gr	1 quart	= 2 pints
1 fluid oz	= 480 minims	1 gallon	= 4 quarts
1 minim	= 1 gr		

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